

IN THE ABSTRACT OF THE DISCLOSURE

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An insulated conductor for high-voltage windings and electric machine, and rotating electric machine that use the insulated conductor. The insulated conductor is suitable for use in a high-voltage winding application for devices such as an electric machine and a rotating electric machine. A feature of the insulated conductor is that the conductor includes at least one strand, and an inner conductive layer that surrounds the at least one strand. An insulating layer surrounds the inner conductive layer, and an outer conductive layer surrounds the insulating layer. When arranged in this manner, and when the outer conductive layer is suitably configured to provide an equipotential surface, the insulated conductor provides relatively high resistance to breakdown when operating at high voltages.

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